

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674531

Luminaire Tested: **CCP-SA-2A-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674531
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

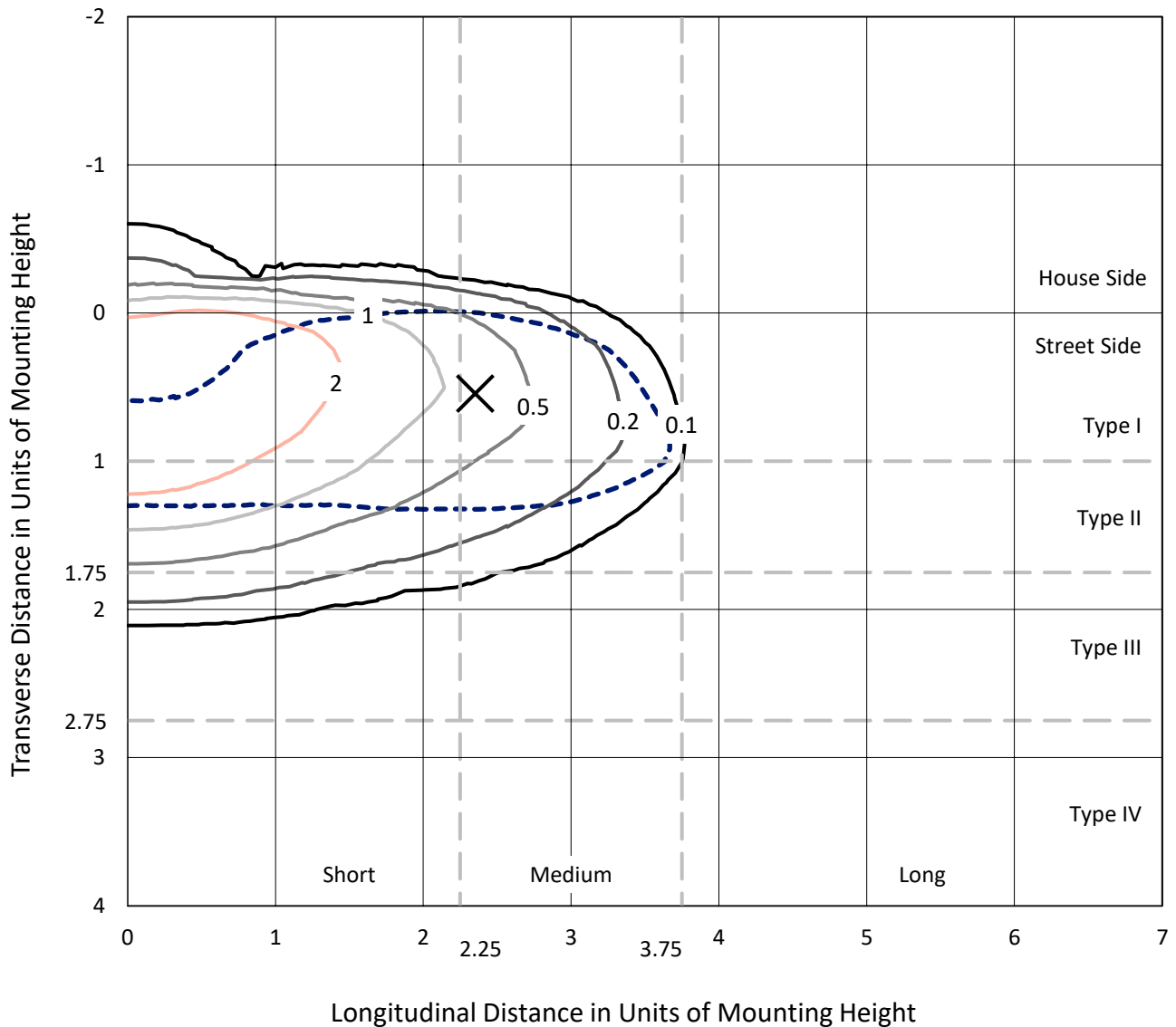
Lumens per Lamp: N/A
Luminaire Lumens: 3705.1 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

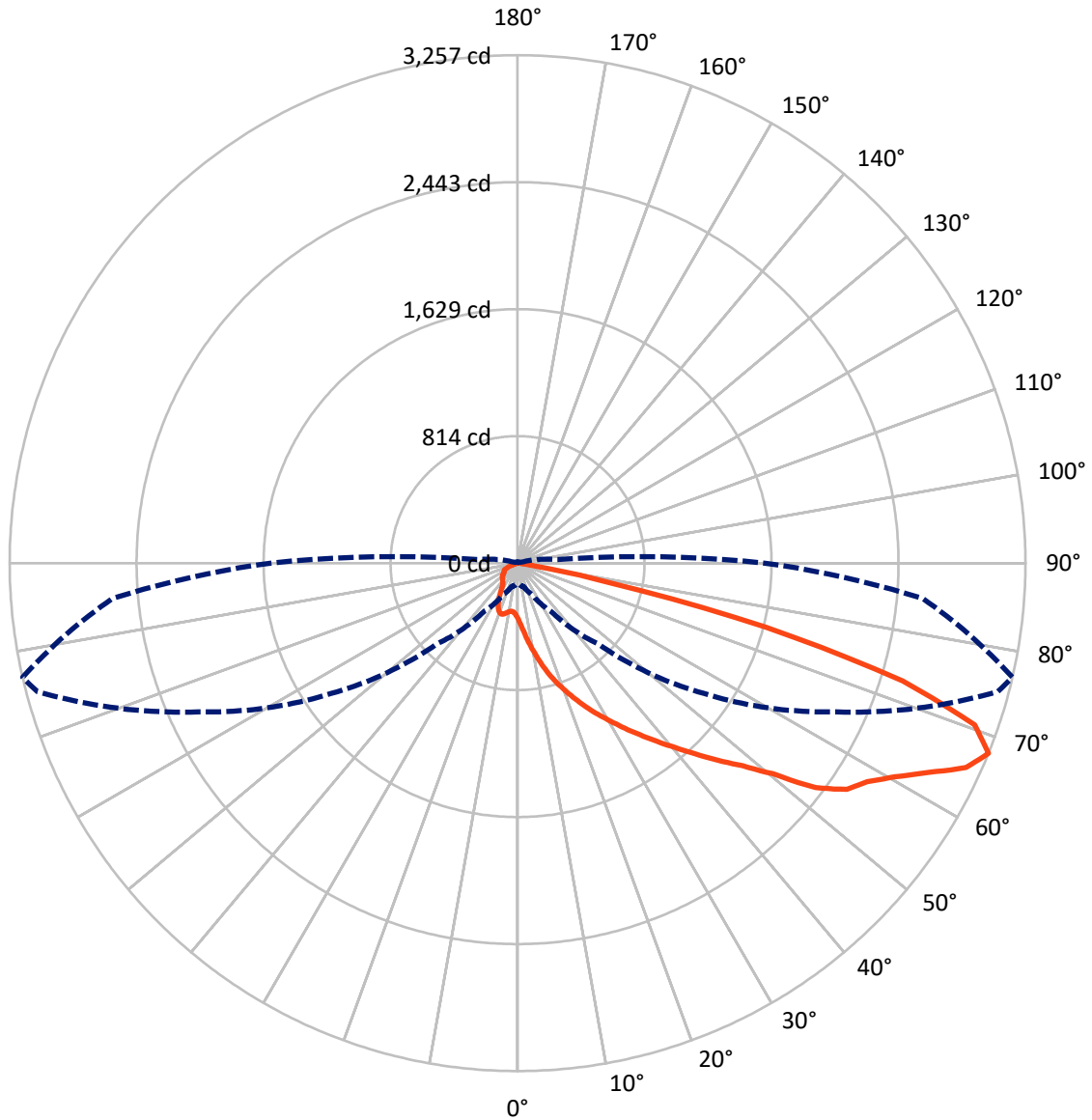
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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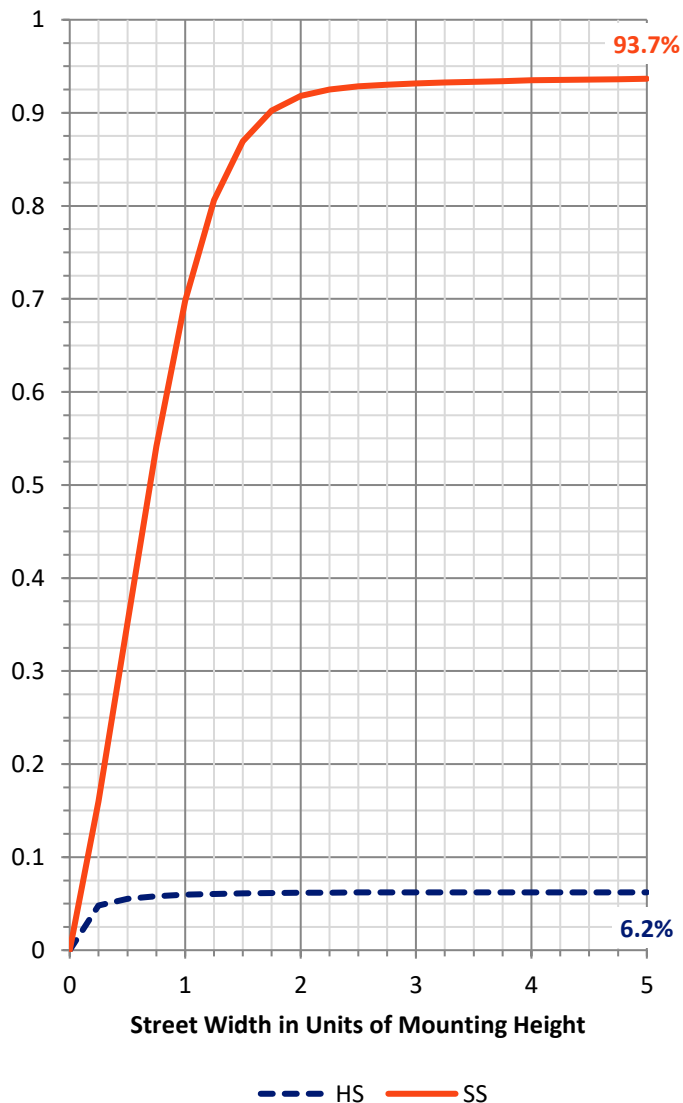
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.5	0.0	231.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3473.6	0.0	3473.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	3705.1	0.0	3705.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	1.1
10°-20°	154.2	4.2
20°-30°	301.3	8.1
30°-40°	526.8	14.2
40°-50°	768.3	20.7
50°-60°	898.4	24.2
60°-70°	728.3	19.7
70°-80°	273.6	7.4
80°-90°	12.4	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3705.1	100.0
0°-180°	3705.1	100.0

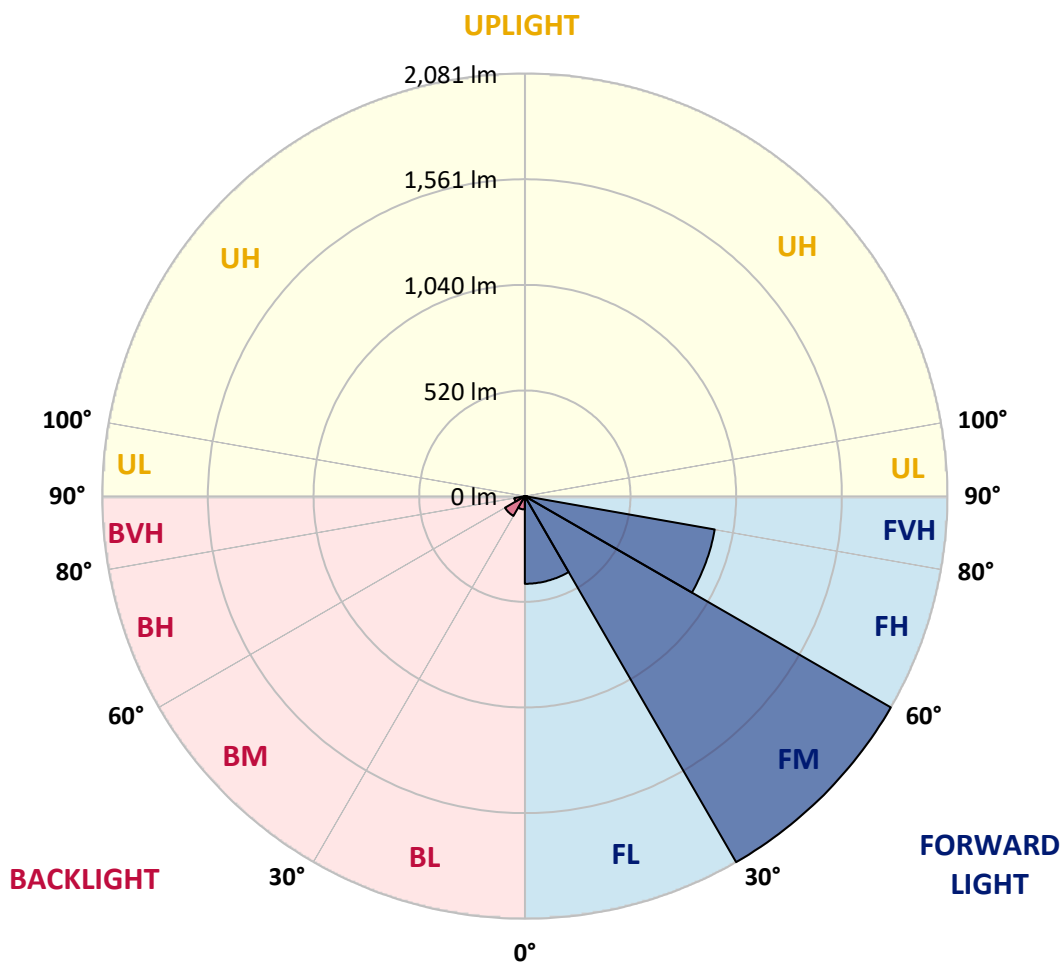


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.6	11.6			
FM (30°-60°)	2080.9	56.2			
FH (60°-80°)	949.4	25.6			G1/1800
FVH (80°-90°)	11.7	0.3			G1/100
BL (0°-30°)	65.7	1.8	B0/110		
BM (30°-60°)	112.6	3.0	B0/220		
BH (60°-80°)	52.5	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9
2.5°	532.8	513.4	517.1	509.1	498.7	474.6	449.2	423.8	401.0	396.0	373.3
5°	682.3	676.3	670.0	664.6	642.9	612.8	566.9	508.7	456.2	447.2	400.0
7.5°	798.4	789.4	795.1	778.7	755.9	726.8	668.6	606.4	525.5	512.1	438.8
10°	884.0	879.0	881.7	874.0	863.0	833.9	776.3	698.4	604.7	579.3	482.3
12.5°	948.2	949.3	961.0	961.6	952.6	928.8	868.0	786.7	676.7	653.9	530.5
15°	995.1	996.1	1010.5	1025.8	1036.2	1023.8	968.7	877.7	761.3	730.2	581.0
17.5°	1002.8	1003.4	1028.9	1060.0	1092.1	1102.8	1060.3	968.0	838.5	803.1	638.9
20°	1007.8	1013.5	1036.2	1072.0	1122.8	1156.0	1132.9	1054.6	913.5	872.3	695.7
22.5°	1068.7	1068.7	1082.0	1107.5	1147.9	1199.8	1195.1	1134.2	986.4	945.6	752.2
25°	1197.8	1197.8	1184.7	1178.0	1199.8	1240.6	1252.3	1219.2	1069.7	1021.5	811.8
27.5°	1368.7	1368.7	1348.3	1299.1	1280.4	1297.4	1309.8	1293.1	1146.6	1099.1	874.7
30°	1546.0	1552.0	1516.5	1454.0	1388.4	1375.4	1363.3	1359.7	1228.5	1175.0	938.5
32.5°	1723.9	1723.2	1679.1	1601.2	1515.5	1469.4	1430.2	1425.9	1315.5	1263.0	999.1
35°	1866.1	1866.4	1819.9	1740.0	1641.0	1582.1	1519.2	1498.8	1410.8	1352.3	1071.3
37.5°	1989.1	1982.1	1932.0	1856.0	1763.7	1702.8	1624.6	1571.4	1509.5	1450.0	1143.6
40°	2059.7	2050.4	2001.5	1929.3	1859.4	1812.9	1744.0	1659.0	1617.9	1553.7	1225.9
42.5°	2070.1	2062.1	2029.6	1986.1	1928.9	1888.1	1869.7	1758.0	1731.6	1673.4	1324.2
45°	2041.0	2027.9	2017.2	1994.5	1978.4	1958.7	1983.8	1863.4	1862.0	1804.2	1421.5
47.5°	1968.7	1951.0	1953.7	1978.8	1996.8	2014.6	2092.8	2001.5	1993.5	1939.3	1549.3
50°	1845.3	1836.6	1866.1	1915.6	1987.1	2058.1	2201.5	2142.7	2174.4	2123.6	1725.6
52.5°	1594.5	1605.2	1693.1	1812.2	1936.0	2078.5	2303.6	2353.4	2434.7	2392.9	1902.9
55°	1293.4	1289.4	1406.8	1618.2	1815.9	2065.4	2348.0	2477.5	2605.3	2561.4	2001.5
57.5°	1041.9	1048.9	1128.2	1337.2	1612.2	1964.7	2358.4	2542.4	2673.8	2644.7	2092.8
60°	782.0	788.7	860.9	1042.9	1341.3	1754.7	2272.8	2565.1	2802.6	2780.5	2238.7
62.5°	497.7	506.4	579.0	755.9	1025.2	1428.2	2080.5	2541.4	2937.1	2955.5	2437.7
65°	244.8	252.5	306.0	441.5	685.3	1068.0	1812.2	2450.7	3108.3	3160.8	2597.2
67.5°	135.5	139.1	157.5	224.8	382.3	732.5	1456.3	2257.1	3186.9	3257.2	2607.9
70°	105.4	106.4	113.4	131.1	186.3	429.8	1035.9	1934.6	3024.0	3109.0	2390.9
72.5°	88.6	90.0	93.3	99.3	116.4	223.8	650.9	1495.1	2544.4	2582.8	1849.7
75°	64.9	66.9	76.3	81.6	92.0	135.8	287.0	898.4	1681.4	1643.6	1034.9
77.5°	54.5	56.2	58.5	66.2	75.9	92.7	100.7	376.6	684.3	595.0	271.6
80°	37.1	39.1	45.5	49.5	64.2	61.2	41.8	101.0	137.5	112.1	52.2
82.5°	26.4	28.1	31.4	40.5	46.5	32.4	22.7	30.8	33.1	31.4	17.1
85°	8.4	10.7	22.7	33.4	25.1	11.0	14.4	11.7	10.4	10.0	6.7
87.5°	1.7	1.7	11.4	13.4	10.0	5.7	5.0	3.7	4.7	4.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9
2.5°	362.6	347.5	325.8	305.4	284.6	269.9	259.6	249.2	245.2	243.5	239.2
5°	378.6	349.9	306.7	271.9	246.5	230.5	220.8	212.4	207.0	205.4	203.0
7.5°	401.7	360.2	298.4	258.2	232.8	215.4	199.7	181.6	167.2	161.6	159.2
10°	426.8	376.0	299.7	255.5	221.8	183.6	148.5	119.4	106.7	102.0	98.7
12.5°	463.6	393.3	305.4	252.5	188.6	131.1	95.0	83.0	79.9	79.3	78.6
15°	500.4	417.8	314.7	232.5	140.8	89.3	78.9	74.6	72.9	71.2	71.2
17.5°	537.5	441.2	318.4	193.3	97.3	77.3	71.9	68.2	65.6	64.2	63.2
20°	579.3	465.9	307.7	145.5	77.9	70.6	64.6	60.2	57.9	56.5	55.5
22.5°	624.5	490.3	284.3	101.3	70.9	63.6	57.9	53.5	51.2	49.8	49.5
25°	667.0	511.4	246.8	76.3	63.9	56.9	51.5	47.8	46.2	44.8	44.5
27.5°	710.8	529.5	198.0	67.2	58.2	51.5	46.2	43.1	41.5	40.5	40.1
30°	753.6	541.9	147.5	61.5	53.2	46.5	41.8	39.5	37.8	36.8	36.5
32.5°	797.7	548.9	99.7	56.5	48.2	42.1	38.1	35.8	34.8	33.8	33.8
35°	840.2	547.9	71.9	51.8	44.2	38.1	34.5	32.8	32.4	31.4	31.4
37.5°	886.7	540.9	61.2	47.5	39.8	34.5	31.4	30.4	30.1	29.4	29.1
40°	939.6	525.1	55.9	44.2	36.1	31.4	28.8	28.1	27.8	27.1	27.1
42.5°	997.4	504.7	52.8	40.5	33.1	28.4	26.4	25.4	25.1	24.4	24.4
45°	1064.6	485.3	50.8	36.8	30.4	26.1	24.1	23.1	22.7	22.1	22.1
47.5°	1156.3	474.3	47.5	33.4	27.4	23.7	21.7	21.1	20.4	19.7	19.7
50°	1282.4	461.2	43.1	30.1	25.1	21.4	20.1	19.1	18.7	18.1	18.1
52.5°	1386.1	433.5	38.8	26.8	22.4	19.7	18.4	17.7	17.1	16.7	16.7
55°	1422.5	401.0	34.5	24.1	20.4	18.4	17.1	16.4	16.1	15.7	15.7
57.5°	1480.7	390.7	30.4	21.4	18.4	17.1	15.7	15.4	15.1	14.7	14.4
60°	1580.1	396.7	26.8	19.1	16.7	15.4	14.4	14.0	13.4	12.7	12.7
62.5°	1676.4	389.3	22.7	16.7	14.4	13.7	12.7	12.0	10.7	9.7	9.0
65°	1699.8	340.2	19.7	14.0	12.0	11.4	10.4	9.0	7.0	5.7	5.7
67.5°	1586.4	258.6	17.1	12.0	10.0	9.4	7.4	6.0	4.3	3.3	3.3
70°	1309.2	163.9	14.0	9.4	8.4	6.4	4.7	4.3	3.0	2.7	2.3
72.5°	944.6	89.6	11.7	7.7	6.0	4.0	3.3	2.7	2.0	1.3	1.3
75°	478.3	42.1	8.7	6.0	4.0	2.7	2.0	1.3	1.3	1.0	1.0
77.5°	135.5	19.4	5.7	4.0	2.7	1.7	1.3	1.0	1.0	0.7	0.7
80°	26.8	9.7	3.7	2.7	2.0	1.3	1.0	0.7	0.7	0.3	0.3
82.5°	9.7	5.0	2.7	2.0	1.7	1.3	0.7	0.3	0.3	0.0	0.0
85°	5.0	2.7	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.7	2.0	1.7	1.7	1.3	1.0	0.7	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)